WHAT IS CLAIMED:

1.   A method for automated processing of data objects forming process chains of linked data objects in a data base of a computer system, the method comprising:

identifying, after at least one initial data object to be processed has been selected, at least one process chain containing said selected data object to be processed;

determining all of the data objects which are linked with said selected data object in a causal relation; and

processing said determined data objects and said initial data object.

2.   A method according to claim 1, wherein the step of processing comprises:

resetting said determined data objects;

executing a desired processing of the initial data object; and

recalculating consecutively said determined data objects reset in the resetting step being in causal relation with said initial data object.

3.   A method according to claim 2, wherein the step of processing comprises alternatively to the steps of resetting and recalculating the step of cancelling a determined data object.

4.   A method according to claim 1, wherein said data objects contain a time index and wherein the processing of said determined data objects starts with the data object containing the most recent time index and steps back consecutively to said selected data object.

5.   A method according to claim 2, wherein said data objects contain a time index and wherein the processing of said determined data objects starts with the data object containing the most recent time index and steps back consecutively to said selected data object.

6.   A method according to of claim 3, wherein said data objects contain a time index and wherein the processing of said determined data objects starts with the data object containing the most recent time index and steps back consecutively to said selected data object.

7.   A method according to of claim 1, wherein all data objects are locked from access upon selection of a data object until termination of the step of processing.

8.   A method according to of claim 2, wherein all data objects are locked from access upon selection of a data object until termination of the step of processing.

9. A method according to of claim 3, wherein all data objects are locked from access upon selection of a data object until termination of the step of processing.

10. A method according to of claim 4, wherein all data objects are locked from access upon selection of a data object until termination of the step of processing.

11. A method according to of claim 1, wherein the step of determining includes grouping and sorting of said determined data objects.

12. A method according to of claim 2, wherein the step of determining includes grouping and sorting of said determined data objects.

13. A method according to of claim 3, wherein the step of determining includes grouping and sorting of said determined data objects.

14. A method according to of claim 4, wherein the step of determining includes grouping and sorting of said determined data objects.

15. A method according to of claim 5, wherein the step of determining includes grouping and sorting of said determined data objects.

16. A computer system for automated processing of data objects comprising

a computing unit; and

a data base containing data objects forming process chains of linked data objects;

said computing unit further comprising:

a selection module allowing for selection of at least one initial data object;

a preparation module for automatically identifying at least one process chain containing said initial data object to be processed and for determining all of the data objects which are linked with said selected data object in causal relation; and

a process module for processing said determined data objects and said initial data object.

17. A computer system according to claim 16, wherein said process module processes the initial data object as well as the data objects in causal relation with said initial data object.

18. A computer system according to claim 16, wherein processing in said process module comprises resetting said determined data objects, executing the desired processing of said initial data object and recalculating consecutively said

determined data objects reset in the resetting step being in causal relation with said initial data object.

19.. A computer system according to claim 17, wherein processing in said process module comprises resetting said determined data objects, executing the desired processing of said initial data object and recalculating consecutively said determined data objects reset in the resetting step being in causal relation with said initial data object.

20. A computer system according to claim 18, wherein processing in said process module comprises cancelling a determined data object alternatively to resetting and recalculating.

21. A computer system according to claim 16, wherein said data objects contain a time index and wherein the resetting of said determined data objects executed by said process module starts with the data object containing the most recent time index and steps back consecutively to said selected data object.

22. A computer system according to claim 17, wherein said data objects contain a time index and wherein the resetting of said determined data objects executed by said process module starts with the data object containing the most recent time index and steps back consecutively to said selected data object.

23.   A computer system according to claim 18, wherein said data objects contain a time index and wherein the resetting of said determined data objects executed by said process module starts with the data object containing the most recent time index and steps back consecutively to said selected data object.

24.   A computer system according to claim 19, wherein said data objects contain a time index and wherein the resetting of said determined data objects executed by said process module starts with the data object containing the most recent time index and steps back consecutively to said selected data object.

25.   A computer system according to claim 16, further comprising a locking module for locking all data objects from access upon selection of a data object via said selection module until termination of the recalculation executed by said process module.

26.   A computer system according to claim 17, further comprising a locking module for locking all data objects from access upon selection of a data object via said selection module until termination of the recalculation executed by said process module.

27.   A computer system according to claim 18, further comprising a locking module for locking all data objects from access upon selection of a data object via

said selection module until termination of the recalculation executed by said process module.

28.   A computer system according to claim 19, further comprising a locking module for locking all data objects from access upon selection of a data object via said selection module until termination of the recalculation executed by said process module.

29.   A computer system according to claim 20, further comprising a locking module for locking all data objects from access upon selection of a data object via said selection module until termination of the recalculation executed by said process module.

30.   A computer system according to claim 16, wherein said preparation module provides for grouping and sorting of said determined data objects.

31.   A computer system according to claim 17, wherein said preparation module provides for grouping and sorting of said determined data objects.

32.   A computer system according to claim 18, wherein said preparation module provides for grouping and sorting of said determined data objects.

33.   A computer system according to claim 19, wherein said preparation module provides for grouping and sorting of said determined data objects.

34.   A computer system according to claim 20, wherein said preparation module provides for grouping and sorting of said determined data objects.

35.   A computer-readable medium with a computer program stored thereon, the computer program comprising program coding means which are suitable for carrying out a method according to any one of claims 1 to 6 when the computer program is run on a computer.